

Application No. 09/536,351
Amendment dated December 2, 2003
Reply to Office Action of September 2, 2003

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (currently amended) A pesticide formulation comprising consisting of at least one vegetable oil, at least one surfactant, and azadirachtin, wherein said formulation contains less than [about] 2% by weight water, based on the weight of the formulation, and wherein said formulation is substantially free of organic solvents.
2. (currently amended) A pesticide formulation consists essentially of comprising at least one vegetable oil, at least one non-ionic surfactant, and azadirachtin, wherein said formulation is storage stable, and wherein said formulation contains less than about 2% by weight water, based on the weight of the formulation, wherein said formulation is storage stable such that at least 90% by weight of the azadirachtin originally present remains after 1 year of storage at 25°C in a sealed container, or such that at least at about 25 wt% of the azadirachtin A originally present remains after an accelerated aged test of 28 days at 54° C in a sealed container, and wherein said formulation is free of organic solvents.
3. (currently amended) A storage stable pesticide formulation consists essentially of comprising at least one vegetable oil, at least one non-ionic surfactant, and a neem seed extract, wherein said neem seed extract comprises azadirachtin, and wherein said formulation contains less than about 1/2% by weight water, based on the weight of the formulation, wherein said formulation is storage stable such that at least 90% by weight of the azadirachtin originally present remains after

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1 year of storage at 25°C in a sealed container, or such that at least at about 25 wt% of the azadirachtin A originally present remains after an accelerated aged test of 28 days at 54° C in a sealed container, and wherein said formulation is free of organic solvents.

4. (original) The formulation of claim 3, wherein said vegetable oil is sesame seed oil.

5. (original) The formulation of claim 3, wherein said vegetable oil contains less than 1% by weight free fatty acid based on the weight of the vegetable oil.

6. (previously presented) The formulation of claim 3, wherein said azadirachtin is present in said formulation in an amount of from about 0.1 to about 5.0 weight %, based on the weight of the pesticide formulation.

7. (previously presented) The formulation of claim 3, wherein said azadirachtin is present in said formulation in an amount of from about 0.1 to about 1.0 weight %, based on the weight of the pesticide formulation.

8. (original) The formulation of claim 3, wherein said azadirachtin is azadirachtin A, azadirachtin B, or both.

9. (original) The formulation of claim 3, wherein said formulation is storage stable such that at least 90% by weight of the azadirachtin originally present remains after 1 year of storage at 25°C in a sealed container.

10. (currently amended) The formulation of claim 3, wherein said formulation comprises consists essentially of:

from about 1% to about 60% by weight of vegetable oil.

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from about 1% to about 5% by weight azadirachtin;
and from about 20% to about 55% by weight of said non-ionic surfactant, based on the weight of the pesticide formulation.

11. (original) The formulation of claim 10, wherein said surfactant is a sorbitan polyoxyethylene trioleate.

12. (original) The formulation of claim 10, wherein said vegetable oil is sesame seed oil.

13. (cancelled)

14. (currently amended) A storage stable pesticide formulation formed by mixing at least one vegetable oil, at least one non-ionic surfactant, and at least one neem extract together to form said formulation, wherein said neem extract comprises at least azadirachtin, and wherein said formulation contains less than ~~about~~ 2% by weight water, based on the weight of the formulation, wherein said formulation is storage stable such that at least 90% by weight of the azadirachtin originally present remains after 1 year of storage at 25°C in a sealed container, or such that at least at about 25 wt% of the azadirachtin A originally present remains after an accelerated aged test of 28 days at 54° C in a sealed container, wherein said formulation is ~~substantially~~ free of organic solvents.

15. (original) The formulation of claim 14, wherein said at least one vegetable oil is sesame seed oil.

16. (original) The formulation of claim 15, wherein said non-ionic surfactant is sorbitan polyoxyethylene trioleate.

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17. (cancelled)

18. (currently amended) The formulation of claim 10, wherein said formulation is substantially free of organic solvents.

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (cancelled)

23. (original) The formulation of claim 10, wherein said vegetable oil is present in an amount of from about 20 weight % to about 50 weight %; and

said surfactant is present in an amount of from about 40 weight % to about 50 weight %.

24. (original) The formulation of claim 23, wherein said vegetable oil is sesame seed oil.